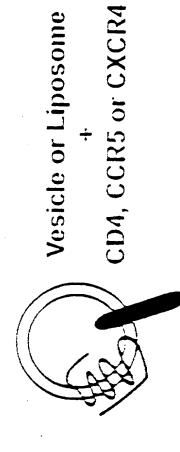
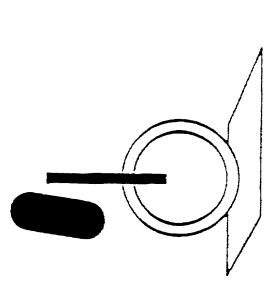


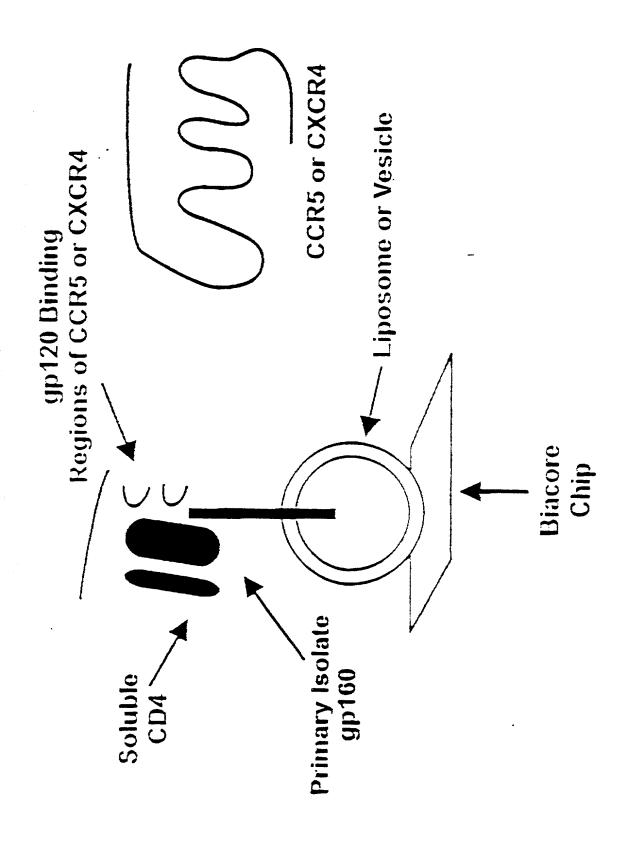
PICURE 1





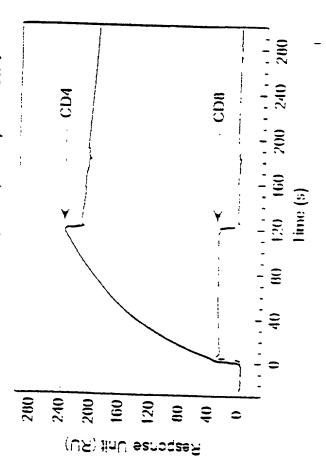
Vesicle or Liposome or Inactivated Hiv-1 Virion

Primary Isolate gp160 PICHIR 2



E anoma

BIAcore measurements of binding interactions between soluble gp120 (DH12) and CD4



PICHRE 4

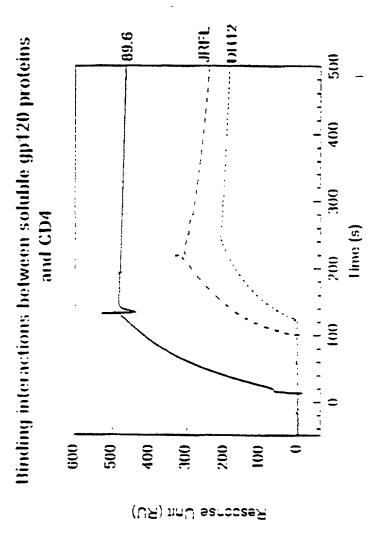


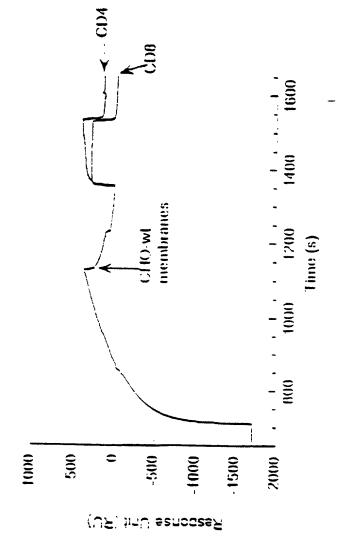
FIGURE 5

Kinetics and binding affinities of the interactions between gp120 and CD4

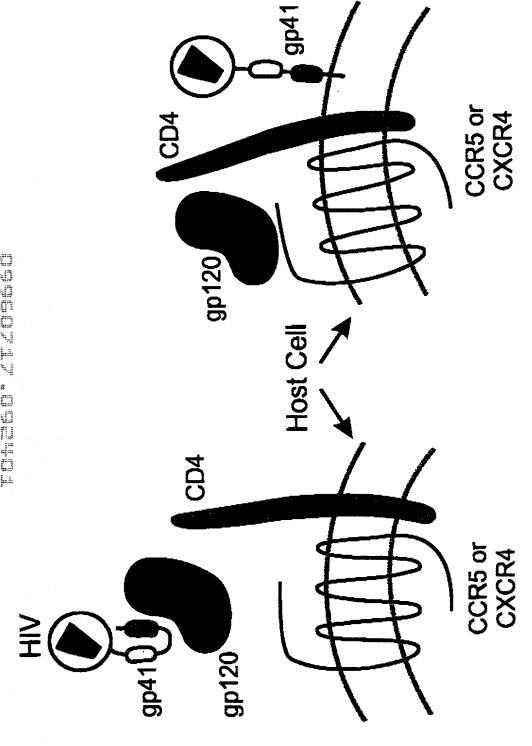
C ₁₁₂ min	14 30 136
K _d	1.5×10 ⁻⁷ 7.8×10 ⁸ 1.8×10 ⁸
k _{d,} s ¹ (off-rate)	8.84×10 ⁴ 3.86×10 ⁴ 8.48×10 ⁵
k _{a,} M 's ¹ (on-ra(e)	6.0x10 ¹ 4.9x10 ¹ 4.6x10 ¹
gp120	JRFL. DI112 89.6

FICURE 6

Binding of soluble CD4 to gp120-expressing membranes from CHO-wt cells



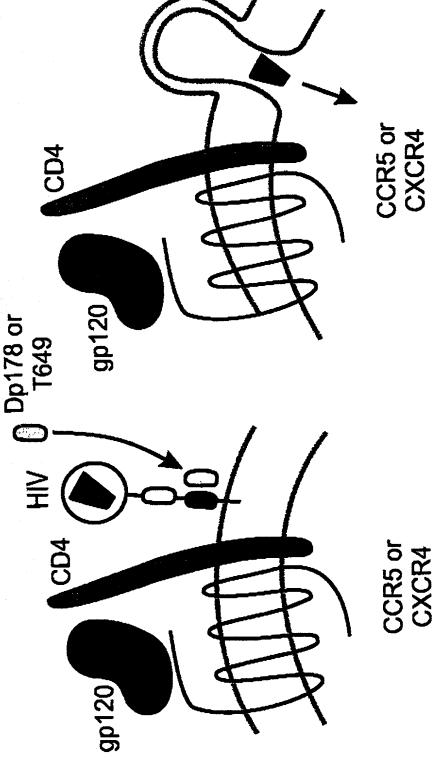
PICURE 7



HIV gp41 inserts into cell lipid bilayer

HIV Binds

HOURE &



CCR5 or CXCR4

HIV fusion occurs in the absense of fusion inhibitory peptide

700 B

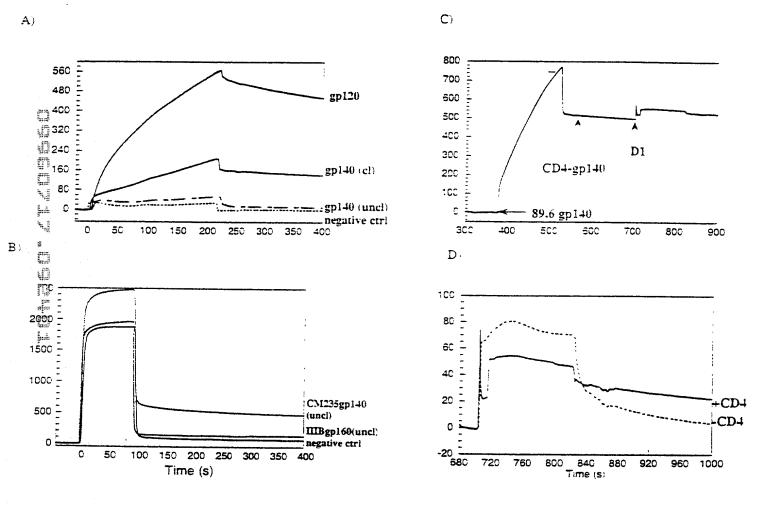
"frozen" fusion intermediate

peptides producing

HIV fusion blocked

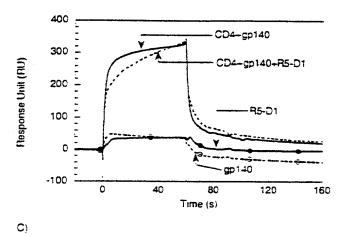
by Dp178 or T649

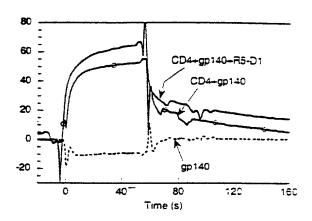
Figure 10

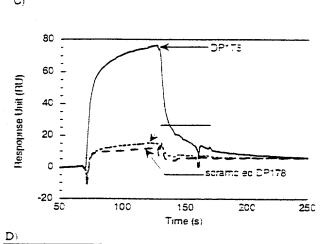


The state of the state state of the state of







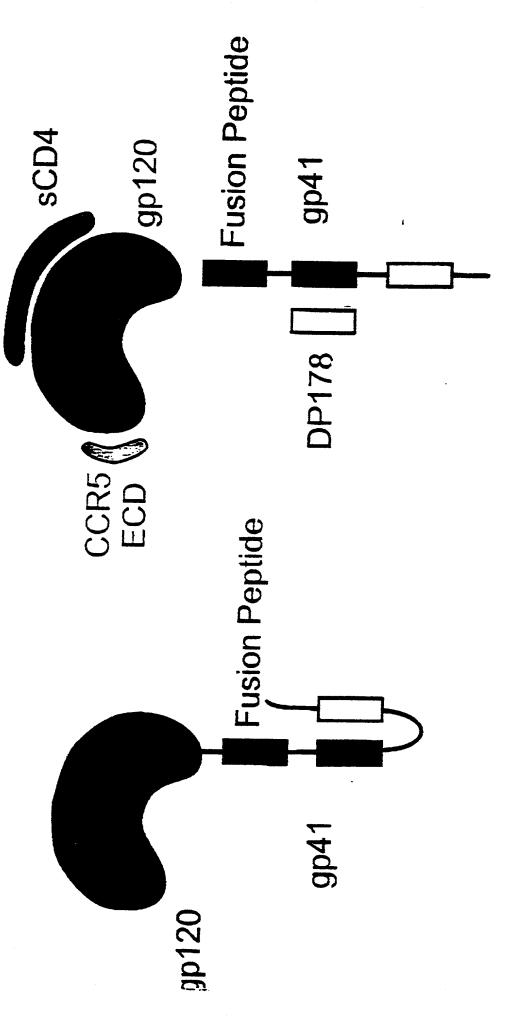


	89.6 gp140	k. Mis	k. s ⁻¹	K., μM	t ₁₂ s	R ₋ RU
DP178		<u> </u>				
	CD4+gp140	7.9×10^3	5.6x10 ⁻³	0.7	124	320
	CD4-gp140-R5-D1	3.47×10^3	3.86x10 ⁻³	1.1	180	328
	gp140+R5-D1	nm	nm	nm	nm	38
	gp140	nm	nm	nm	nm	35
T649OL	=					
	CD4+gp140	$6.2x10^3$	1.46x10 ⁻²	2.4	48	53
	CD4+gp140+R5-D1	5.1x10 ³	5.3x10 ⁻³	1.0	131	6-
	gp140+R5-D1	nm	nm	nm	nm	0
	gp140	nm	nm	nm	nm	0

		0		***			
		6		1			
Anti-gp120 mab T8	Tout 47	8					
	Wiii V	7					
	<u> </u>	9					
	% ∑	5		*			
Anti-gp41 mab 7B2		4					
	With	3					
	ë Q	C)					
a de la constitución de la const	₩ S						· · · · · · · · · · · · · · · · · · ·
		ΚĎ	204 —	124 —		- Constitution of the Cons	*
			204	124	83	43	32

Figure 12

to Soluble HIV 89.6 gp140 Envelope Induced Binding of HR-2 Peptides



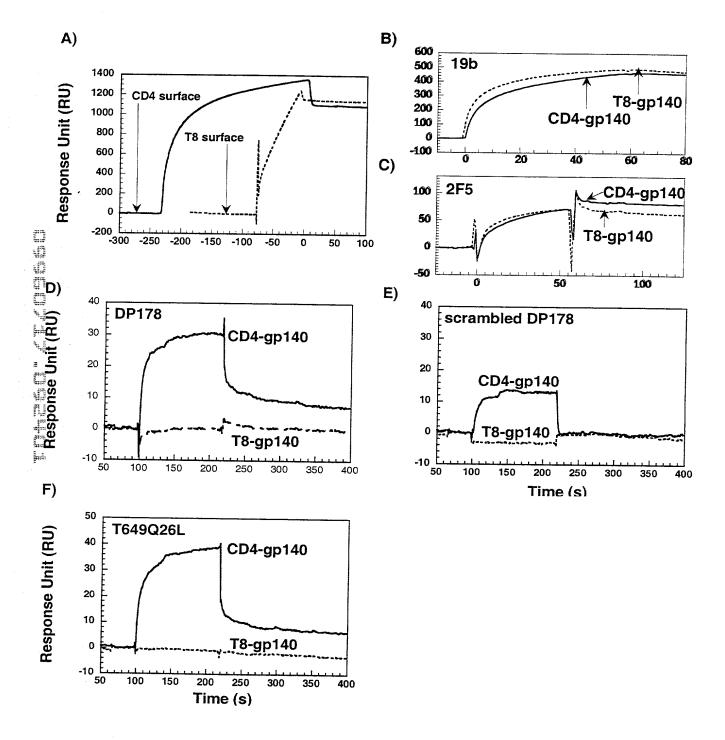


Figure 14

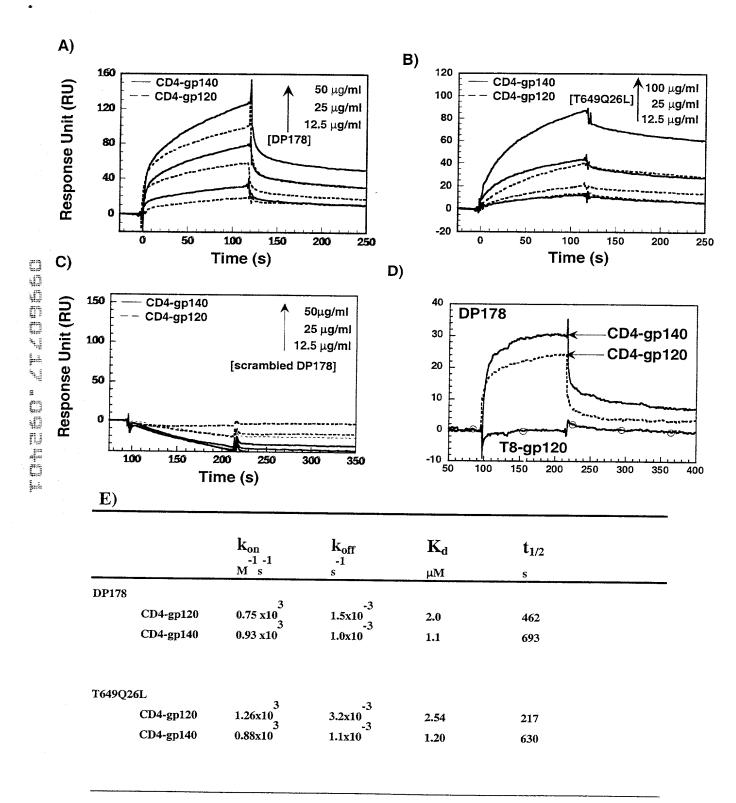


Figure 15

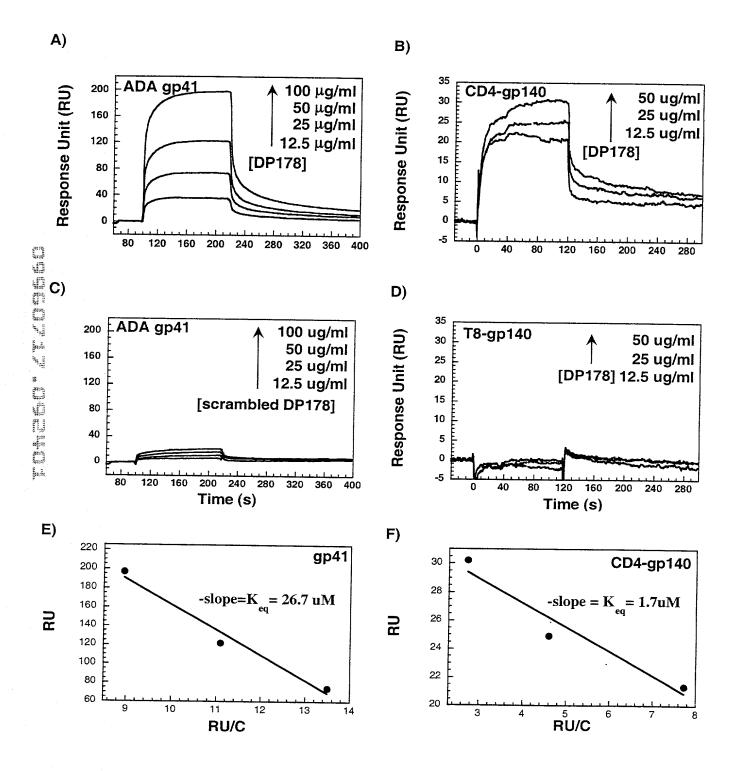


Fig orz 16

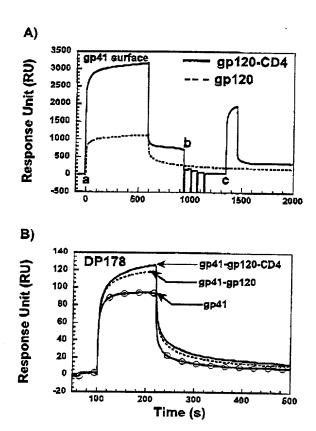
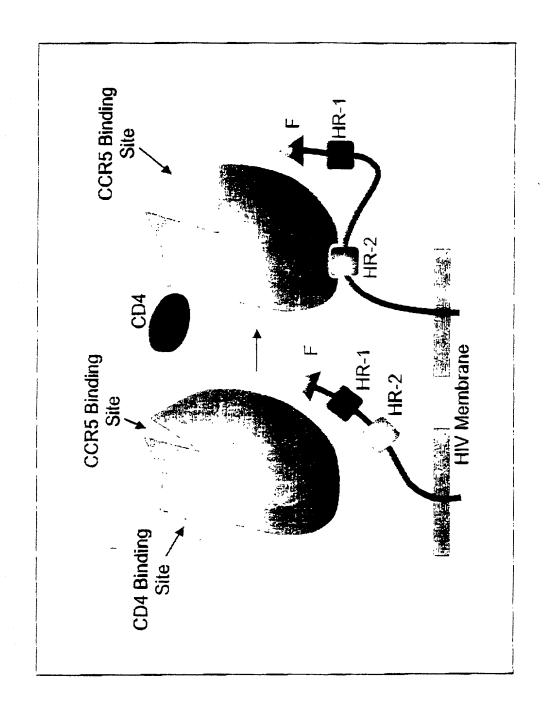
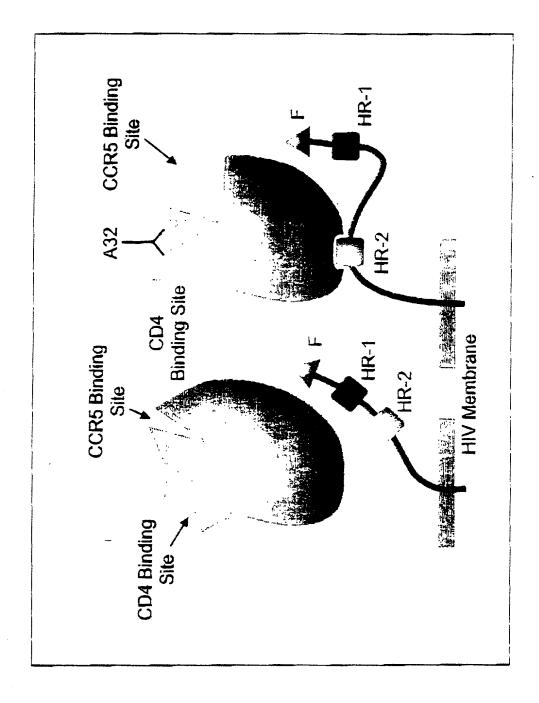


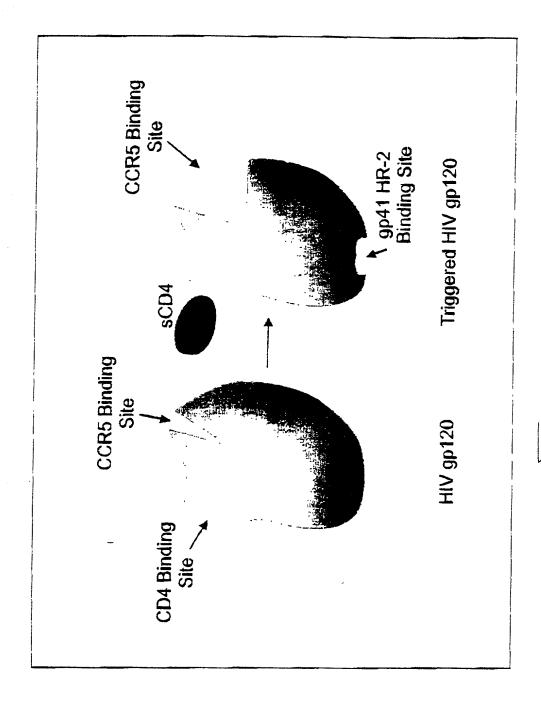
Fig vez 17



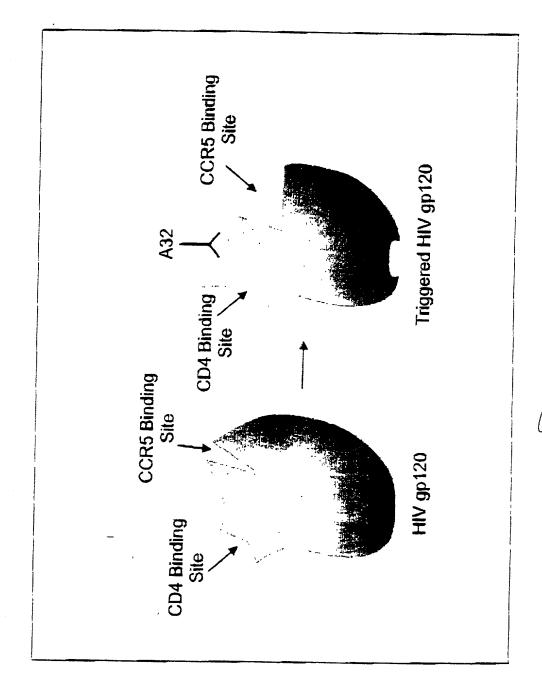
Mgore (8



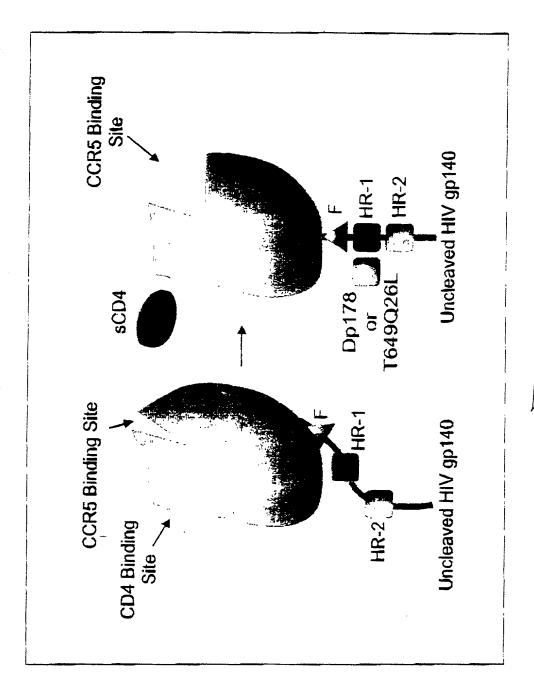
Myore A



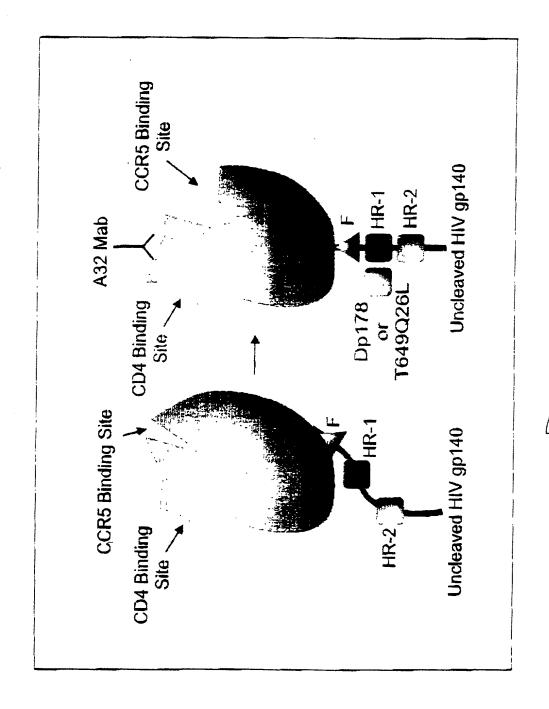
Mgar 20



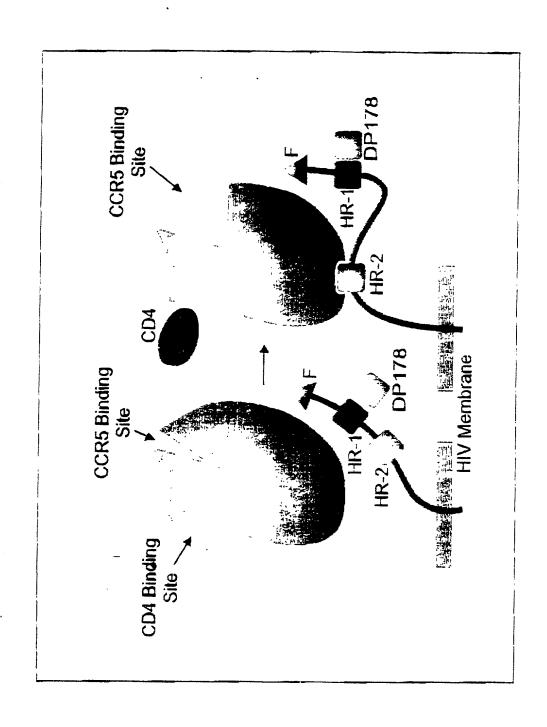
10 ve 2



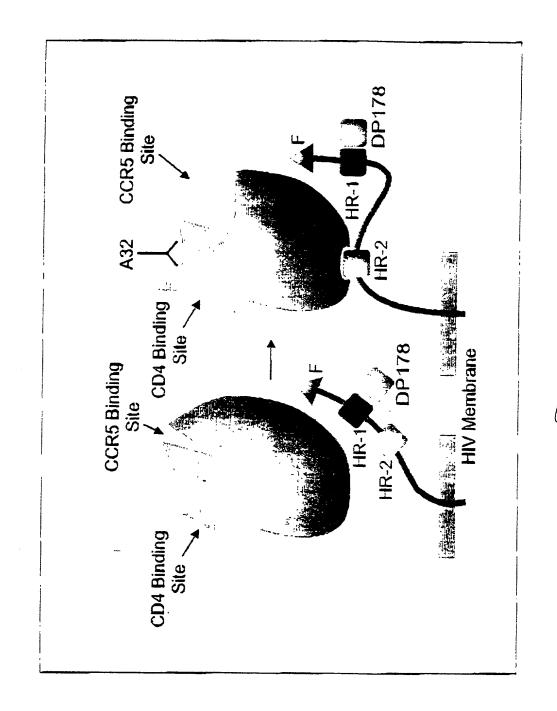
15 cm 22



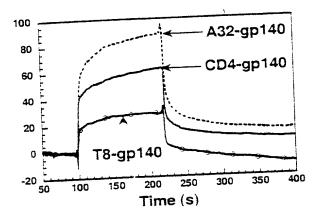
hque 23



hgwe 24



Mgyk 25



- 4 gore 26